

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087991.D
 Acq On : 30 Sep 2025 09:55
 Operator : JC\MD
 Sample : VN0930WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBL01

Quant Time: Oct 01 04:37:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

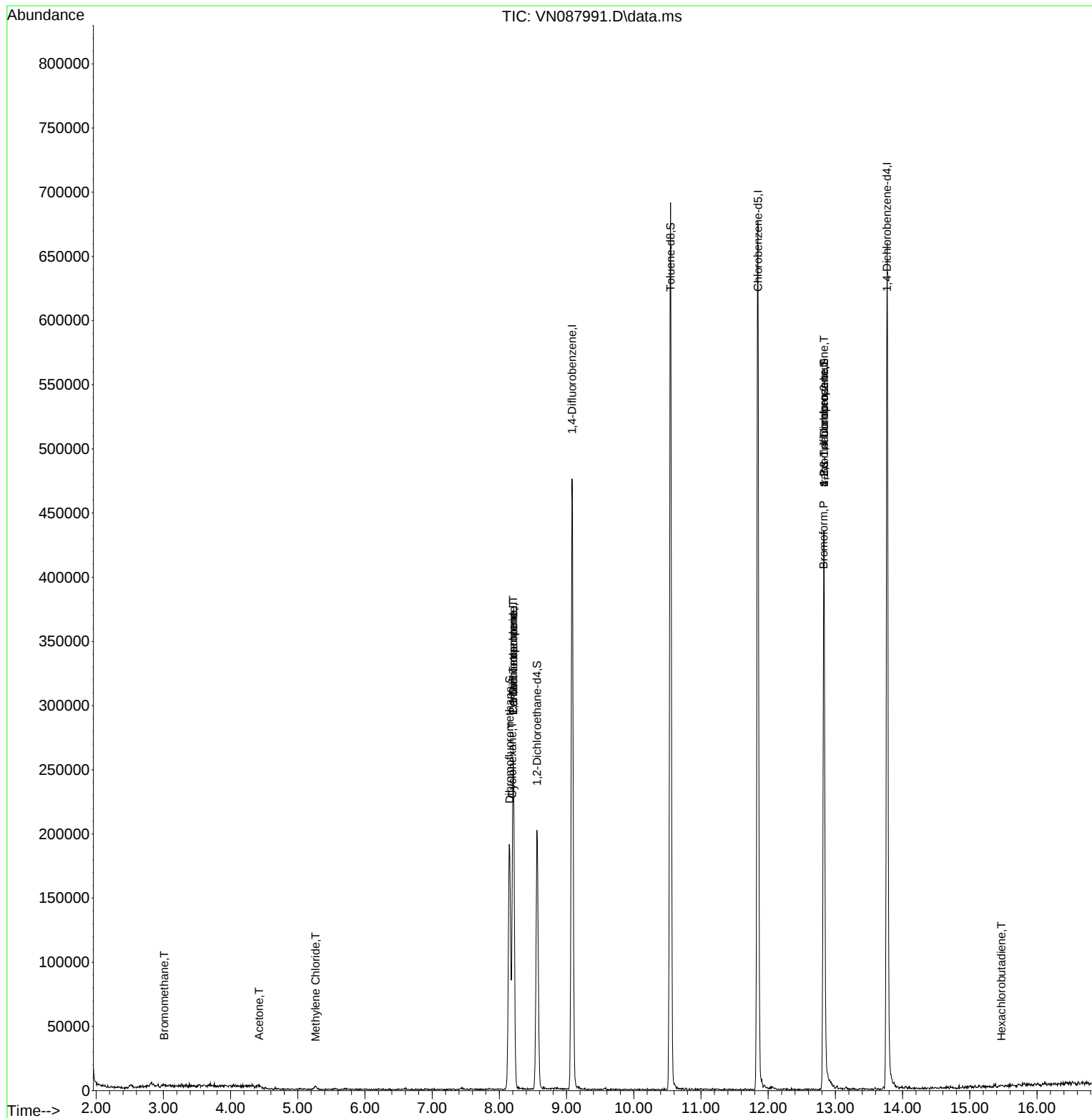
Internal Standards						
1) Pentafluorobenzene	8.206	168	183952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	394412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	385540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	176728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	162965	52.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.280%			
35) Dibromofluoromethane	8.153	113	137275	47.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.880%			
50) Toluene-d8	10.547	98	461789	45.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.720%			
62) 4-Bromofluorobenzene	12.829	95	156007	43.340	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	3.012	94	450	0.326	ug/l #	35
16) Acetone	4.424	43	1371	1.076	ug/l #	45
20) Methylene Chloride	5.265	84	1101	0.427	ug/l #	55
31) Cyclohexane	8.194	56	4962	1.429	ug/l #	55
36) 1,1-Dichloropropene	8.206	75	16967	4.927	ug/l #	47
38) Carbon Tetrachloride	8.206	117	21369	5.408	ug/l #	17
71) Bromoform	12.823	173	1073	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	81497	23.394	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	81497	64.961	ug/l #	9
94) Hexachlorobutadiene	15.470	225	488	0.410	ug/l #	44

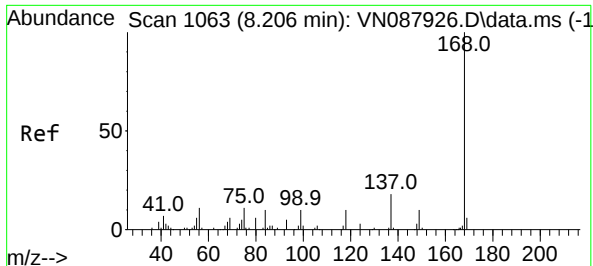
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

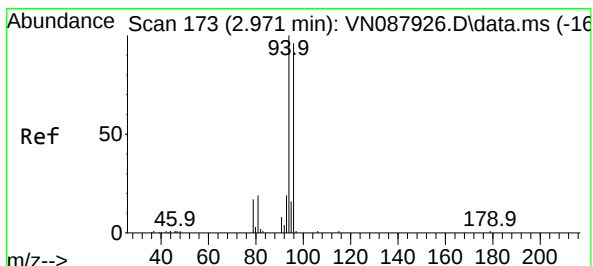
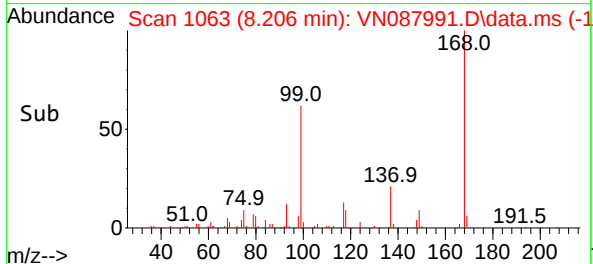
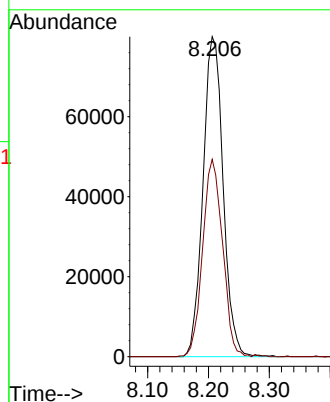
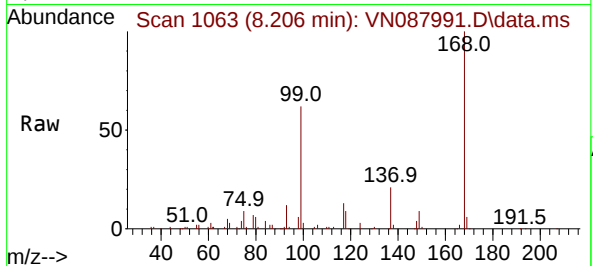




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

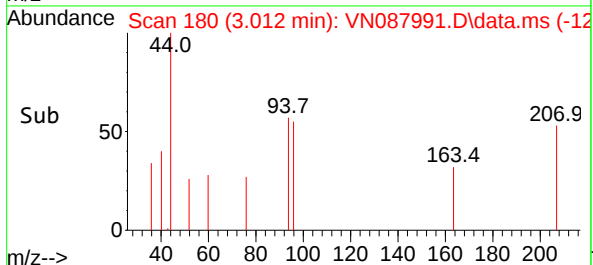
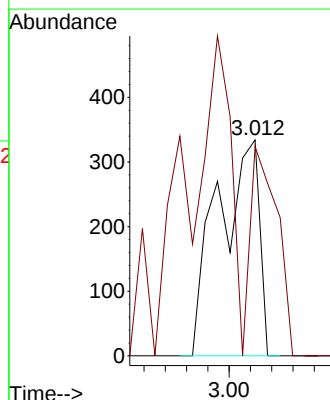
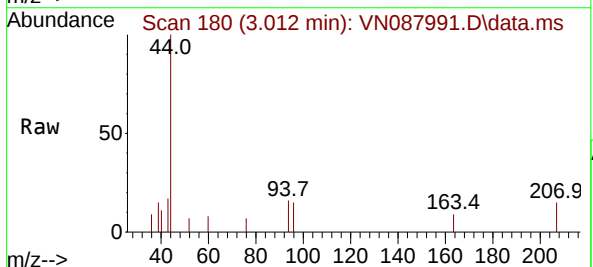
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

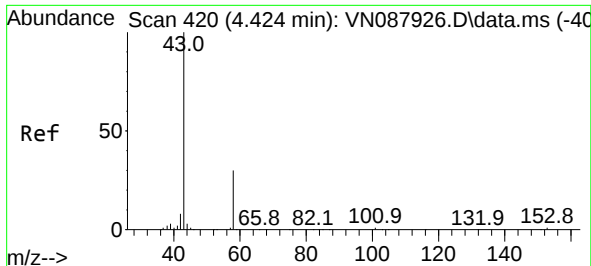
Tgt Ion:168 Resp: 183952
Ion Ratio Lower Upper
168 100
99 61.6 52.2 78.2



#5
Bromomethane
Concen: 0.326 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.041 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 32.9 76.8 115.2#

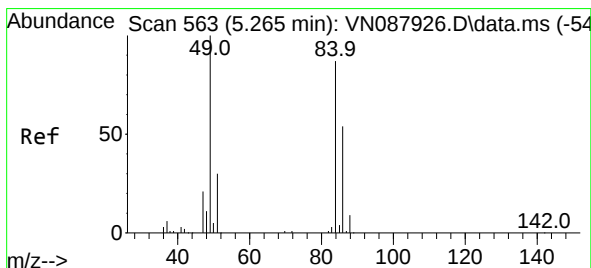
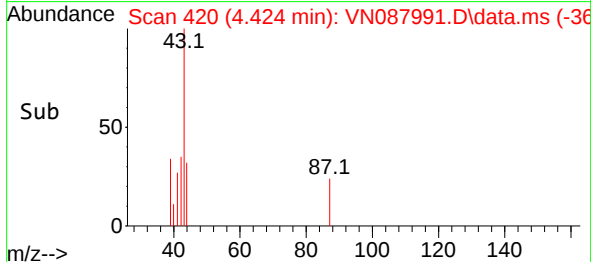
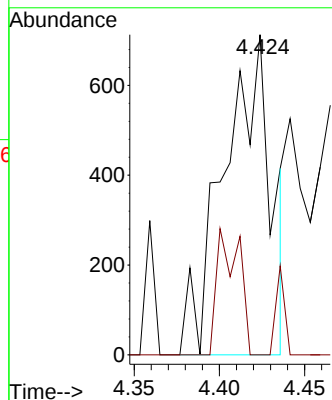
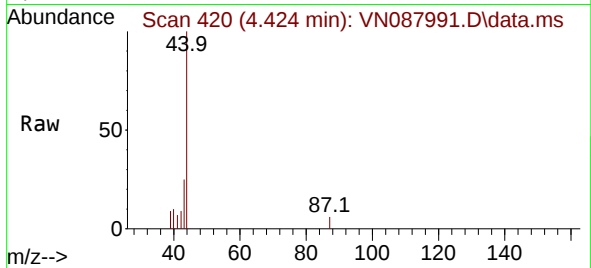




#16
Acetone
Concen: 1.076 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

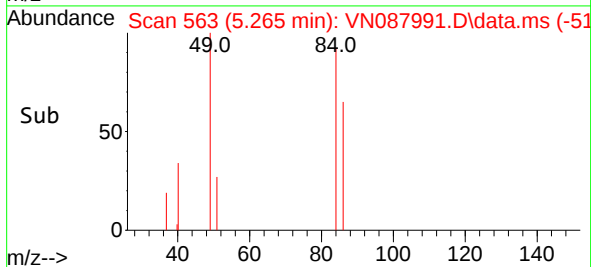
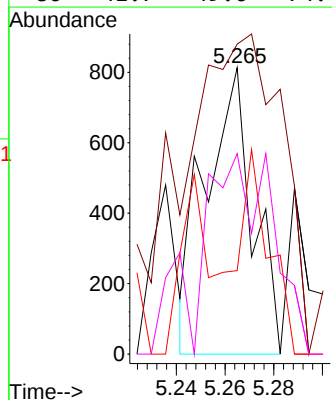
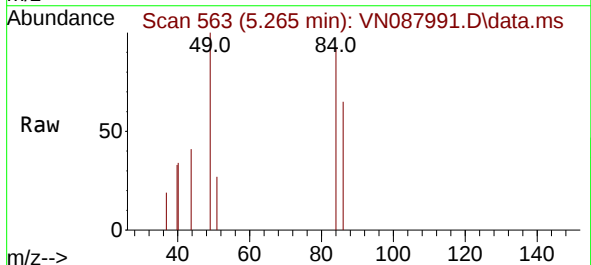
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

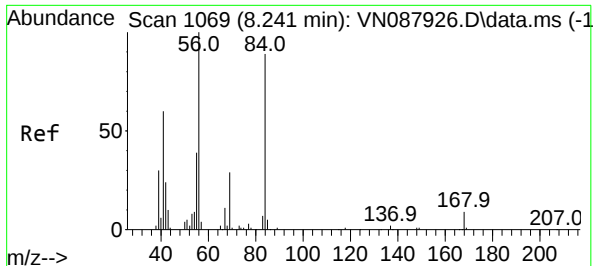
Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 84 Resp: 1101
Ion Ratio Lower Upper
84 100
49 59.7 92.1 138.1#
51 0.0 27.7 41.5#
86 41.7 49.6 74.4#

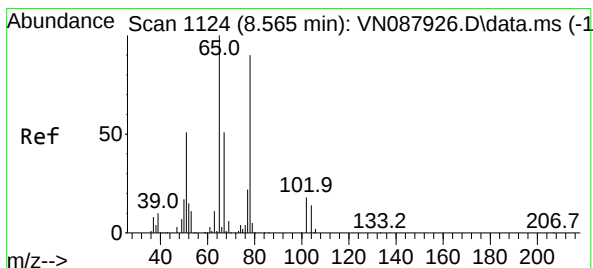
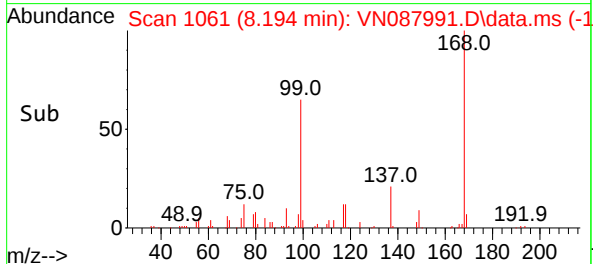
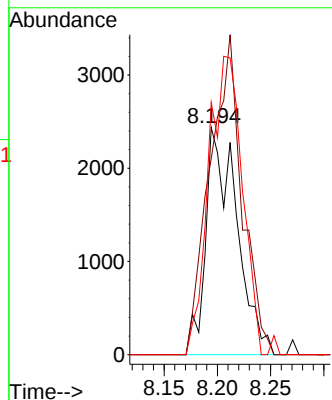
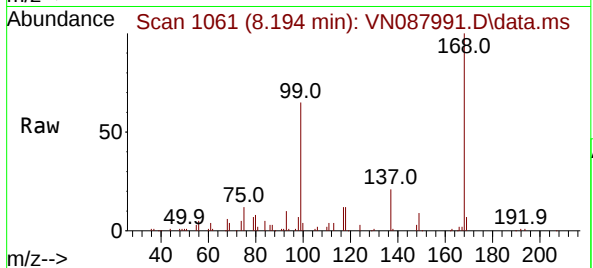




#31
Cyclohexane
Concen: 1.429 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.047 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

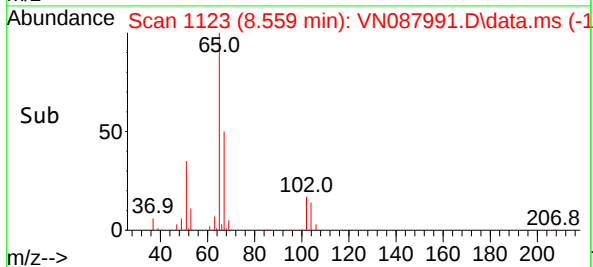
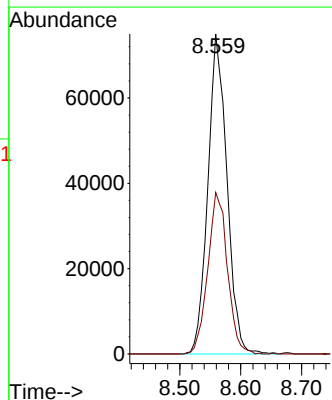
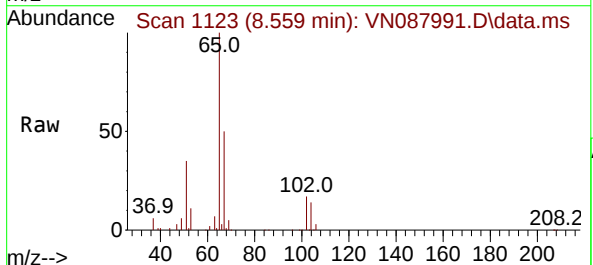
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

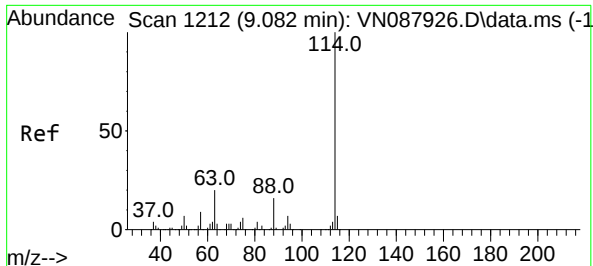
Tgt Ion: 56 Resp: 4962
Ion Ratio Lower Upper
56 100
69 86.3 23.4 35.0#
84 111.0 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 52.641 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 65 Resp: 162965
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087991.D

Acq: 30 Sep 2025 09:55

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBL01

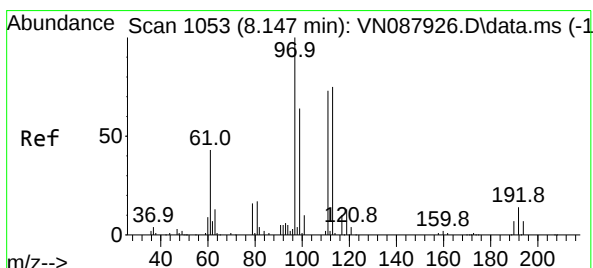
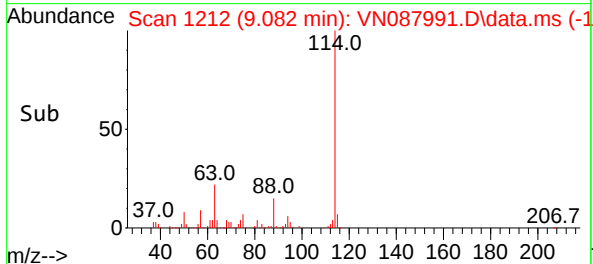
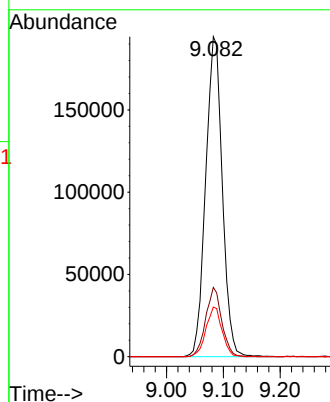
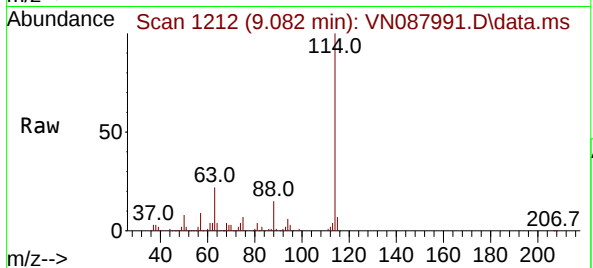
Tgt Ion:114 Resp: 394412

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.937 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087991.D

Acq: 30 Sep 2025 09:55

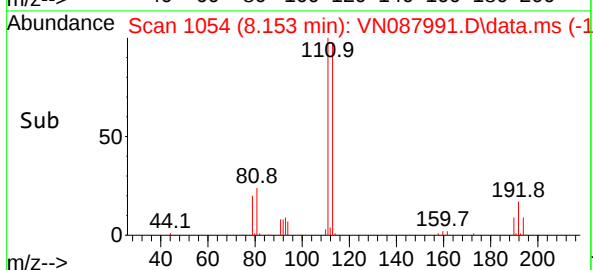
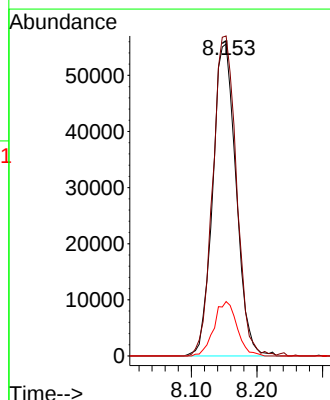
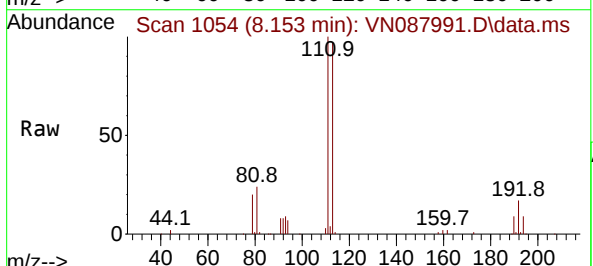
Tgt Ion:113 Resp: 137275

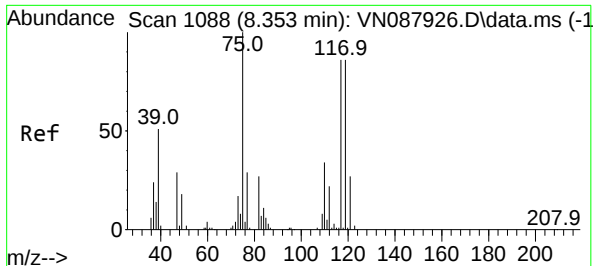
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

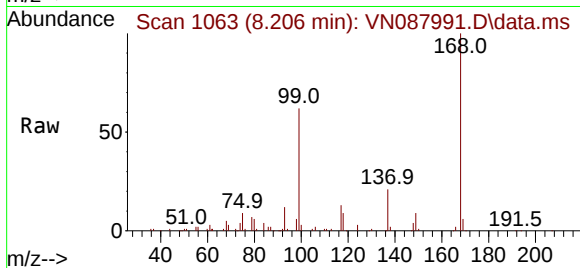
192 17.2 14.2 21.2



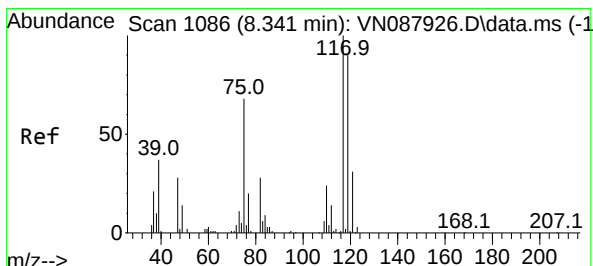
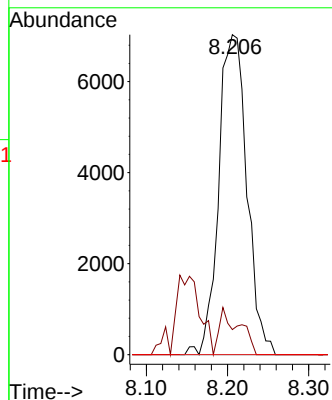
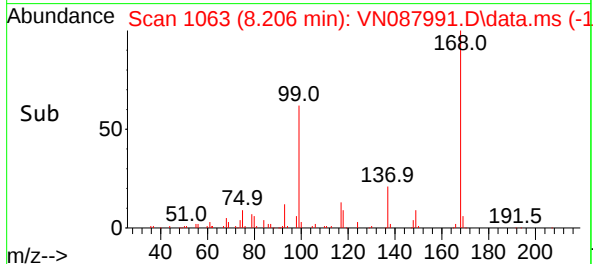


#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.147 min
 Lab File: VN087991.D
 Acq: 30 Sep 2025 09:55

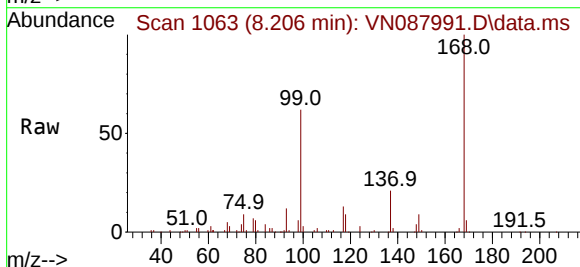
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBL01



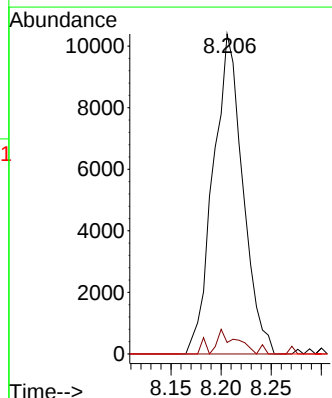
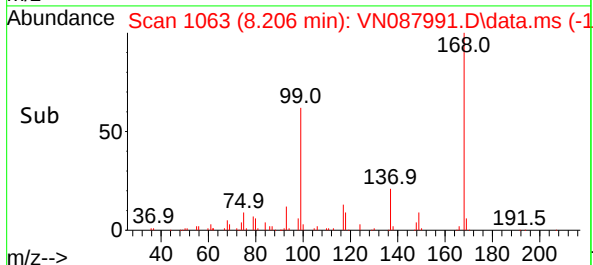
Tgt Ion: 75 Resp: 16967
 Ion Ratio Lower Upper
 75 100
 110 5.7 17.1 51.3#
 77 0.0 24.8 37.2#

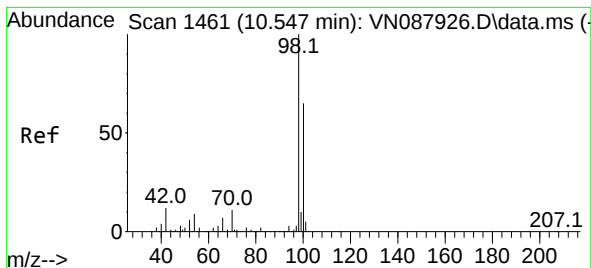


#38
 Carbon Tetrachloride
 Concen: 5.408 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.135 min
 Lab File: VN087991.D
 Acq: 30 Sep 2025 09:55



Tgt Ion: 117 Resp: 21369
 Ion Ratio Lower Upper
 117 100
 119 3.6 72.1 108.1#
 121 0.0 24.6 36.8#

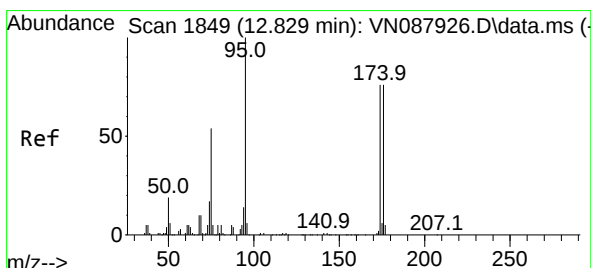
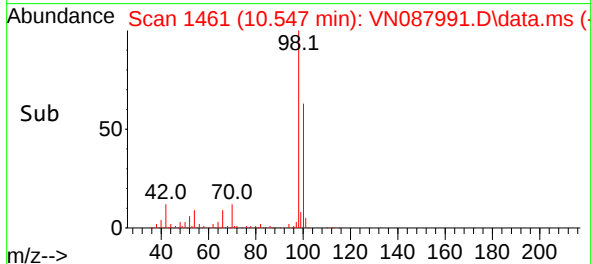
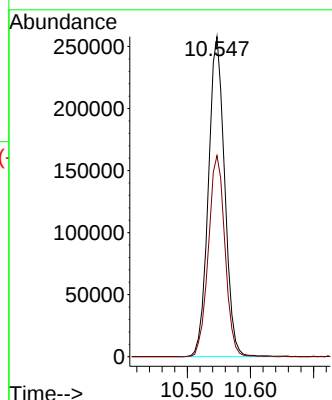
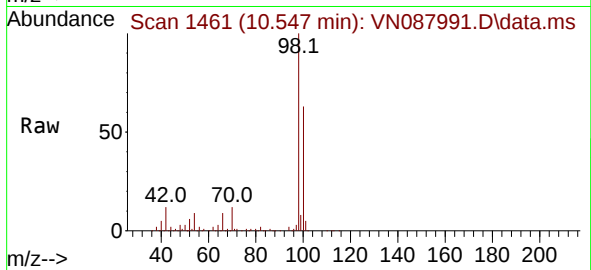




#50
Toluene-d8
Concen: 45.856 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

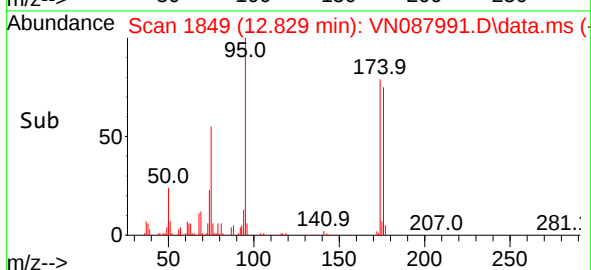
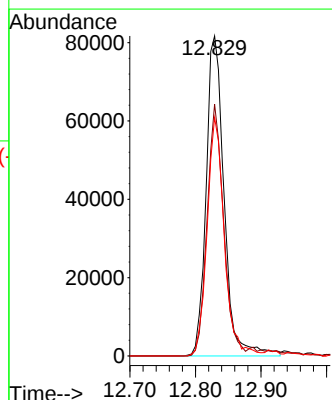
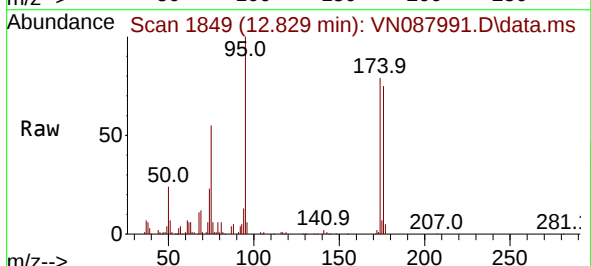
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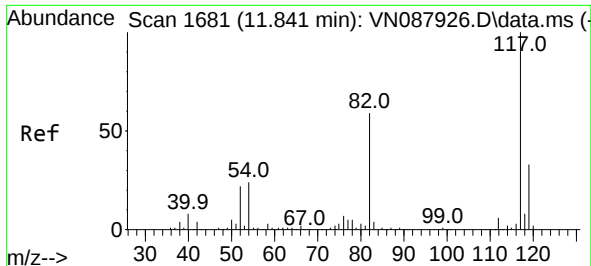
Tgt Ion: 98 Resp: 461789
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.340 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 95 Resp: 156007
Ion Ratio Lower Upper
95 100
174 72.2 0.0 159.2
176 71.1 0.0 152.6

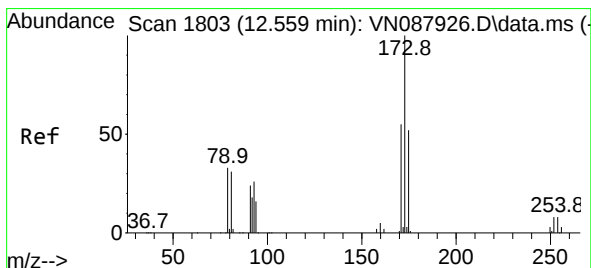
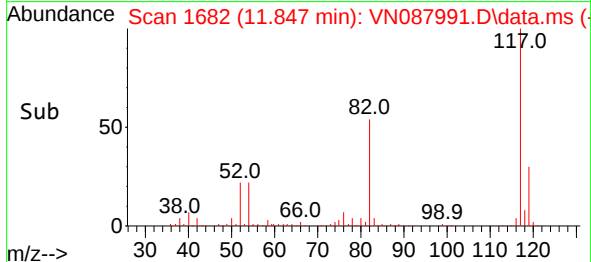
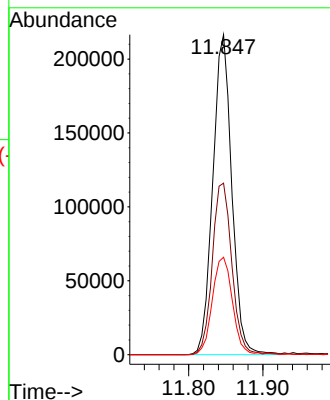
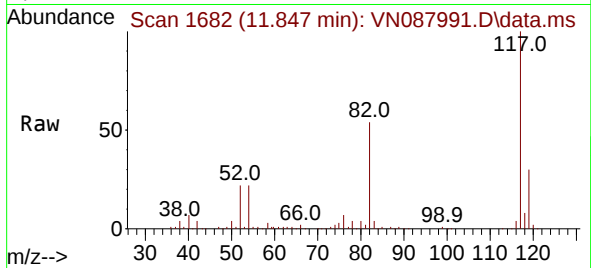




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

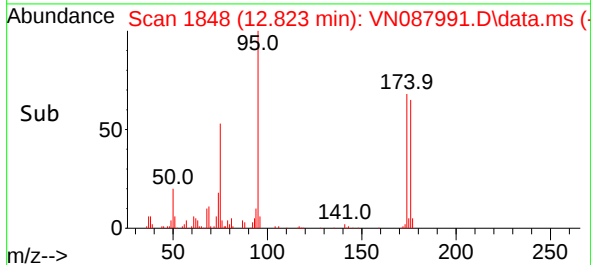
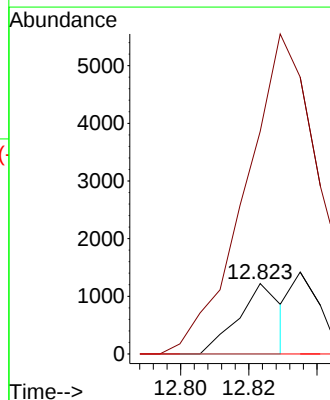
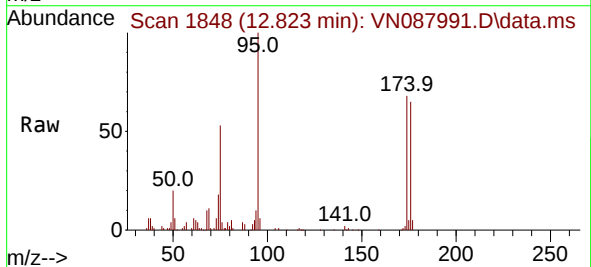
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

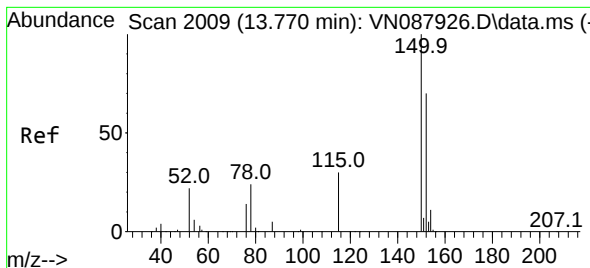
Tgt Ion:117 Resp: 385540
Ion Ratio Lower Upper
117 100
82 53.6 47.0 70.4
119 30.5 26.1 39.1



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion:173 Resp: 1073
Ion Ratio Lower Upper
173 100
175 617.9 23.7 71.1#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN087991.D

Acq: 30 Sep 2025 09:55

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBL01

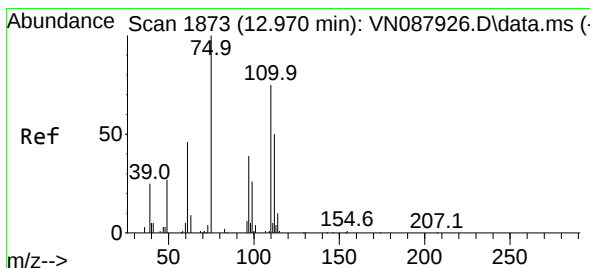
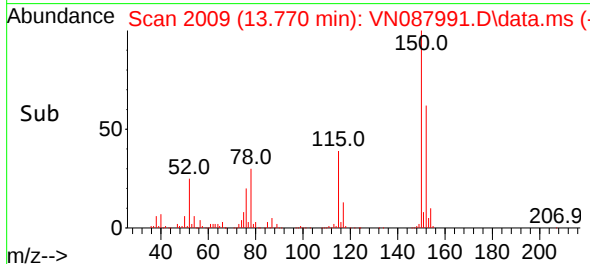
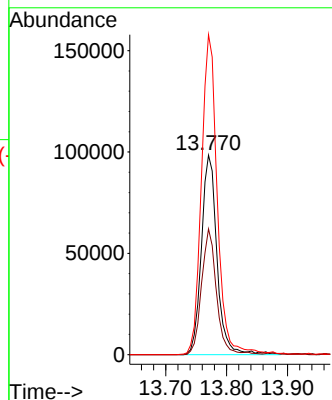
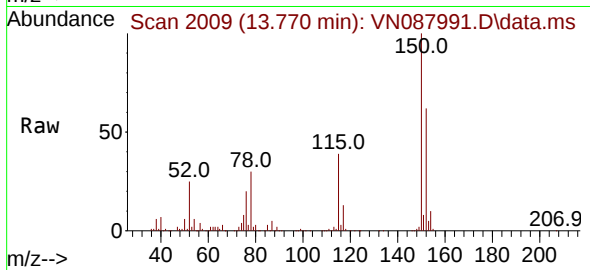
Tgt Ion:152 Resp: 176728

Ion Ratio Lower Upper

152 100

115 60.2 29.9 89.7

150 162.6 0.0 335.0



#76

1,2,3-Trichloropropane

Concen: 23.394 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087991.D

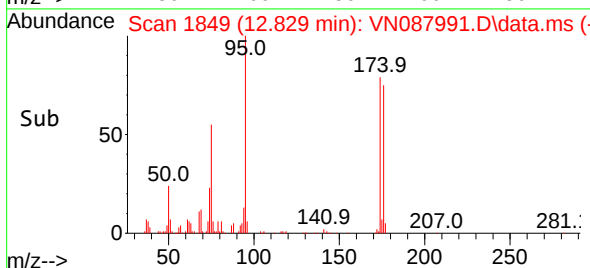
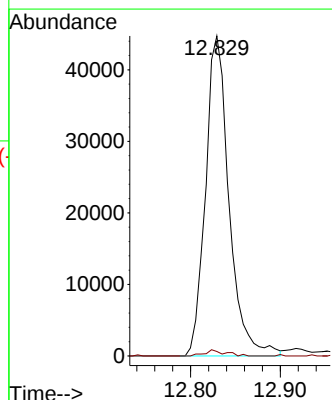
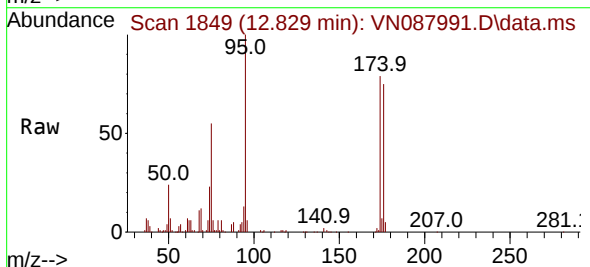
Acq: 30 Sep 2025 09:55

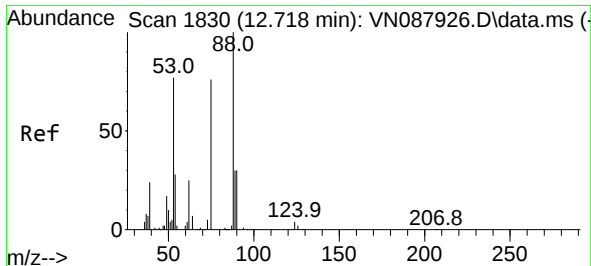
Tgt Ion: 75 Resp: 81497

Ion Ratio Lower Upper

75 100

77 1.6 89.5 268.5#

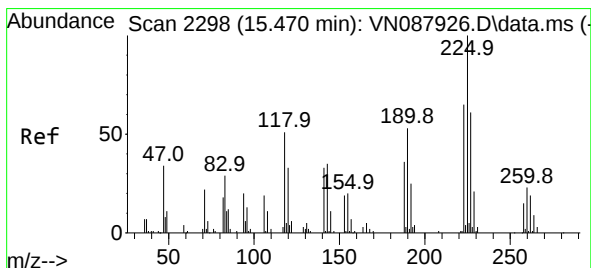
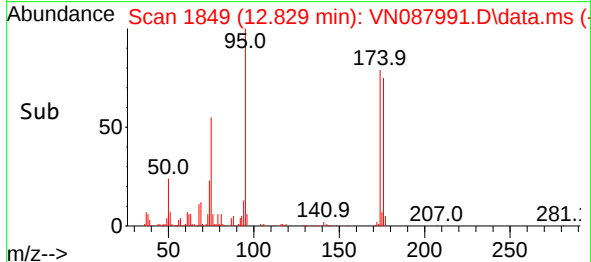
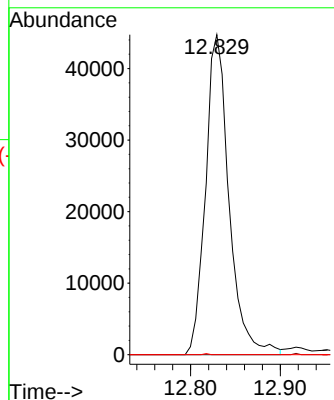
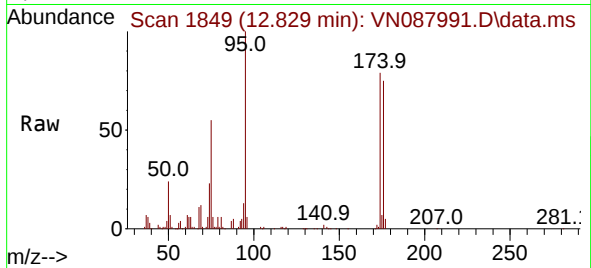




#81
trans-1,4-Dichloro-2-butene
Concen: 64.961 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

Tgt Ion: 75 Resp: 81497
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.1 36.1 54.1#



#94
Hexachlorobutadiene
Concen: 0.410 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN087991.D
Acq: 30 Sep 2025 09:55

Tgt Ion: 225 Resp: 488
Ion Ratio Lower Upper
225 100
223 20.9 31.8 95.4#
227 19.9 31.9 95.9#

